

COOLING AIR FLOW CONTROL VALVE FOR BURN-IN SYSTEM

5

ABSTRACT OF THE DISCLOSURE

A burn-in oven is provided with a plurality of spaced, stacked burn-in-boards, each with a plurality of individual circuits being tested under heated conditions, and a plurality of valve trays 10 positioned between two burn-in-boards to form a heat exchange compartment below the valve tray. Each valve tray has a plenum formed above it to provide a separate chamber that is a source of cooling air. Each valve tray has a plurality of valves, one over 15 each of a number openings in the tray. Each opening overlies an integrated circuits or device under test on the burn-in-board below the valve tray. The valves control the flow of air for cooling the integrated circuits. The flow of air through the 20 valves is the only path for cooling airflow to the integrated circuits on the burn-in-boards.